

Abstract of the Disclosure

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

A method of operating an internal combustion engine, including at least one cylinder and a piston slidable in the cylinder, may include supplying pressurized air from an intake manifold to an air intake port of a combustion chamber in the cylinder, selectively operating an air intake valve to open the air intake port to allow pressurized air to flow between the combustion chamber and the intake manifold substantially during a majority portion of a compression stroke of the piston, and operably controlling a fuel supply system to inject fuel into the combustion chamber after the intake valve is closed.